

Postal address	Office address	Telephone	International natiional	(022) 749 01 11	E-mail	central@iso.ch	CH-1211 Geneva 20 Case Postale 56 1, rue de Varembé	Geneve · Switzerland International + 41 22 749 01 11 Web www.iso.ch	Telograms isorganiz TELEGRAMS
----------------	----------------	-----------	----------------------------	-----------------	--------	----------------	---	---	----------------------------------

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНА ОРГАНІЗАЦІЯ ПО СТАНДАРТИЗАЦІЇ • ORGANISATION INTERNATIONALE DE NORMALISATION

cc. Mr. D. Wandmacher (Chairman of ISO/TC 184/SC 4) (with comments)
Mrme C. Hermette-Filz (Secretary of ISO/TC 184) (without comments)

[Signature]
Yours faithfully,
Standard Barska
Standards Department

In the case of a decision by the chairman to proceed with the publication, the FDIS should be prepared by the secretariat without delay, and should preferably be forwarded to the Central Secretariat at the same time as the report of voting.

2000-01-04.

In accordance with the ISO/IEC Directives, the Central Secretariat is required to circulate the full report to the P-members of your committee within three months. It is therefore essential that we receive from you the completed form 13, including annex B (comments and secretariat observations) by the same time as the report of voting.

At the same time, the secretary is requested to prepare annex B to the report of voting, reproducing the forms, Report of voting/Annex B which have been supplied to you separately.

The secretary is kindly requested to arrange for the attached form 13, Report of voting, to be completed by the chairman to show the action to be taken with regard to further processing of this draft. Your attention is drawn to the ISO/IEC Directives (1995), Part I, sub-clause 2.6.4 setting out the options available.

We have pleasure in enclosing the table of replies indicating the result of voting on the above draft, together with copies of all comments received. This table of replies will constitute annex A to the report of voting referred to in the ISO/IEC Directives (1995), Part I, sub-clause 2.6.5.

ISO/DIS 10303-507

Dear Sir or Madam,

SECRETARIAT OF ISO/TC 184/SC 4
DISA Center for Standards
Code JEBCD
10701 Parkridge Blvd.
RESTON, VA 20991-4398,
USA





**REPORT OF VOTING ON ISO/DIS**

Closing date of voting	ISO/TC	/SC
Secretariat		

1 Result of the voting

The above-mentioned document was circulated to member bodies on the date shown in annex A, with a request that the Central Secretariat be informed whether or not member bodies were in favour of registration of the DIS as a Final Draft International Standard.

The replies listed in annex A have been received.

2 Comments received

See annex B. (This annex is circulated only to the P-members of the committee but is available to any other member body on request.)

3 Observations of the secretariat**4 Decision of the Chairman**

- The DIS has been approved in accordance with the conditions of 2.6.3 of part 1 of the ISO/IEC Directives and will be submitted without change, other than editorial, for circulation as an FDIS to all member bodies.

In the light of technical comments received,

- a new DIS will be submitted to the Central Secretariat for circulation to the member bodies.
 a new committee draft will be distributed for comment.
 the DIS and comments will be considered at the next meeting.

Signature of the secretary	Signature of the chairman
----------------------------	---------------------------

Date:

Date:



DIS TABLE OF REPLIES / 1999-10-04 / TABLEAU DES REPONSES DIS

TC 184/SC 4
ISO/DIS 10303-507

VOTING BEGAN ON/DEBUT DU VOTE: 1999-04-22
TIME LIMIT FOR REPLY/DELAI: 1999-09-22

TITLE: Industrial automation systems and integration -- Product data representation and exchange -- Part 507: Application interpreted construct: Geometrically bounded surface

TITRE: Systèmes d'automation industrielle et intégration -- Représentation et échange de données de produits -- Partie 507: Établissement interprété d'application: Surface limitée géométriquement

MEMBER BODY/COMITE MEMBRE	ABSTENTION			ABSTENTION		
	DISAPPROVAL/DESAPPROBATION		APPROVAL/APPROBATION	DISAPPROVAL/DESAPPROBATION		APPROVAL/APPROBATION
Australia (SAI)	P	X		Norway (NSF)	P	X
Brazil (ABNT)	P	X		Poland (PKN)		X
Canada (SCC)	P		*	Portugal (IPQ)	P	X
China (CSBTS)	P	X		Russian Federation (GOST R)	P	X
Czech Republic (CSNI)	O	X		South Africa (SABS)		X
France (AFNOR)	P		X	Spain (AENOR)	P	X
Germany (DIN)	P	X		Sweden (SIS)	P	X
Italy (UNI)	P	X		Switzerland (SNV)	P	
Japan (JISC)	P		X	United Kingdom (BSI)	P	X
Korea, Republic of (KATS)	P	X		USA (ANSI)	S	X
Netherlands (NNI)	P	X				*

T O T A L 16 4
 0

* = Comments / commentaires

** = P-member having abstained and therefore not counted in the vote /
Membre (P) s'abstenant de voter; n'est donc pas compté dans le vote

P-MEMBERS VOTING:	IN FAVOUR OUT OF		REQUIREMENT
	14	14 = 100.00%	>= 66,66%
MEMBRES (P) VOTANT:	EN FAVEUR SUR		CRITERE

MEMBER BODIES VOTING:	NEGATIVE VOTES OUT OF		REQUIREMENT
	0	16 = 0.00%	<= 25%
COMITES MEMBRES VOTANT:	VOTES NEGATIFS SUR		CRITERE

THIS DRAFT HAS THEREFORE BEEN APPROVED
in accordance with the ISO/IEC Directives, Part 1, sub-clause 2.6.3.

CE PROJET EST DONC APPROUVE
selon les Directives ISO/CEI, Partie 1, paragraphe 2.6.3



Subject: [Fwd: ISO/DIS 10303-507, 10303-508, 10303-509]

Date: Thu, 26 Aug 1999 16:44:52 +0200

From: barchietto@iso.ch (Barchietto Roseline) Internal

Organization: ISO

To: Hops@iso.ch

CC: Votes Votes <votes@iso.ch>

Brenda,

Peux-tu voir si ce sont des DIS envoyé électroniquement ??

Merci

Roseline

Subject: Re: ISO/DIS 10303-507, 10303-508, 10303-509

Date: Wed, 25 Aug 1999 17:34:20 +0200

From: central@iso.ch (Mailbox Central)

To: Arni Ahronson <AAhronson@scc.ca>, Roseline Barchietto <barchietto@iso.ch>, Klaus-Gunter Lingner <lingner@iso.ch>

We acknowledge receipt of your e-mail, which has been transferred to the attention of the appropriate department.

> Arni Ahronson wrote:

>

> Dear Sir or Madam,

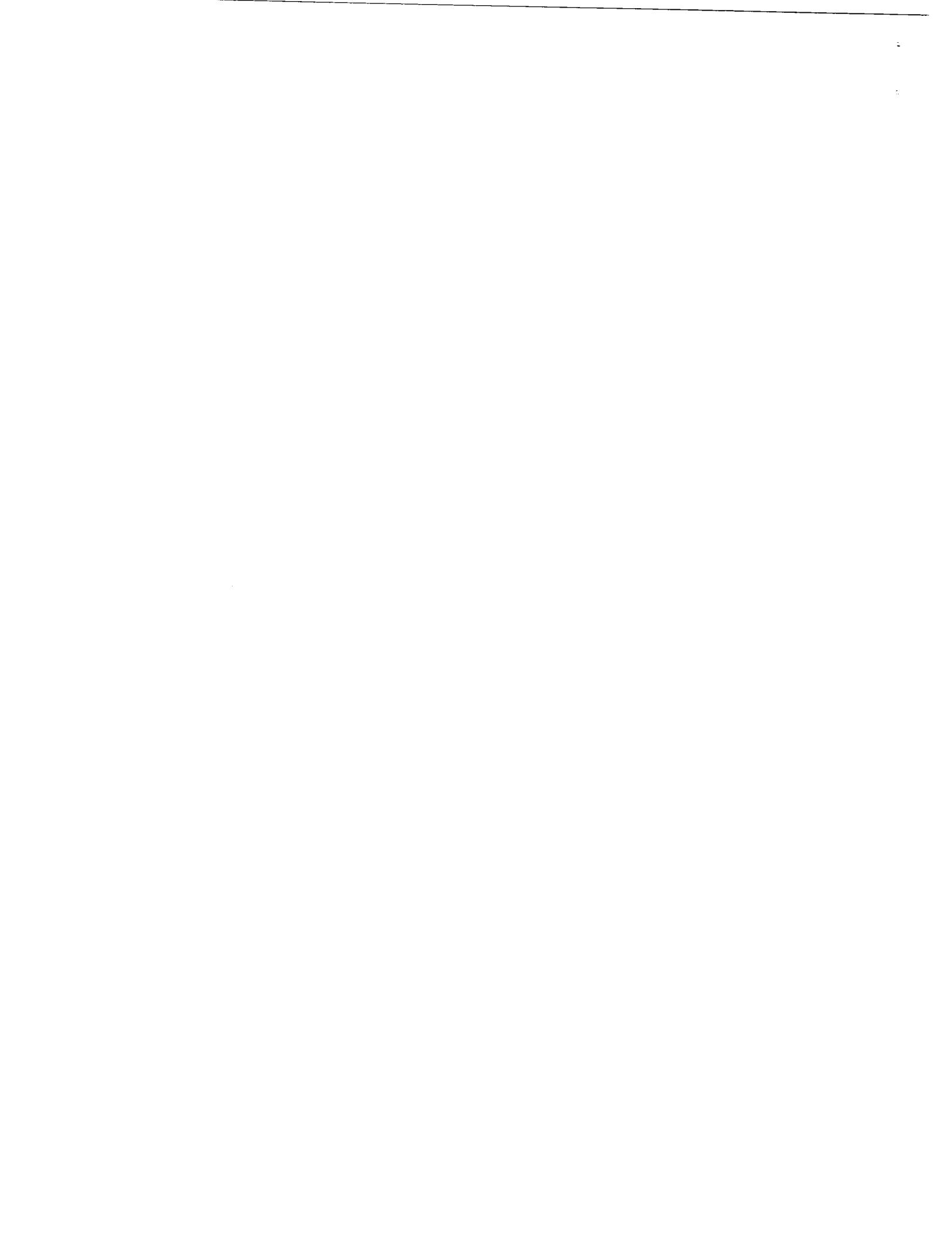
>

> Please note that we, here at the SCC (Standards Council of Canada),
> have only received reminders for the above ISO/DIS documents. That
> is, we do not have the documents themselves. Therefore, please send
> to the SCC with the greatest expediency the following documents:
> ISO/DIS 10303-507, 10303-508, and 10303-509. Also, please reply to
> Darryl Kingston (email address above) to acknowledge receipt of this
> correspondence.

>

> Regards,

> Arni Ahronson



BALLOT RESPONSE AND UK COMMENTS ON ISO/DIS 10303-507

STEP - AIC: Geometrically bounded surface

1. INTRODUCTION

This document presents the UK vote, comments and recommendations on ISO/DIS 10303-507

2. VOTING RESPONSE

The UK votes APPROVAL of ISO/DIS 10303-507 with the following comments.

3. TECHNICAL COMMENTS

ISSUE NUMBER UK-507-01

AUTHOR: Ray Goult

CLAUSE: 4.3.3

CLASSIFICATION: Minor Technical

DESCRIPTION: The gbsf_check_surface function makes a special case of references to conical_surface, cylindrical_surface and plane when defining curve_boundedsurface or rectangular_trimmed_surface - I cannot understand the logic of this - if there is to be such a special case it would seem to be applicable to other types of elementary_surface.

The subsequent recursive usage of this function seems to exclude the possibility of, for example, defining a rectangular_trimmed_surface that references an untrimmed swept_surface - such a definition should be allowed.

Suggest modify these sections to permit bounded_surfaces to reference any of the allowed basic surface types (elementary, swept, b_spline).

There is a further problem with the swept_surface check, it appears to only check that the bounded_swept_curve is valid (i.e. bounded) in fact for a surface of linear_extrusion referencing a bounded_swept_curve the resulting surface is unbounded in one direction. This problem does not exist with surface_of_revolution.

ISSUE NUMBER UK-507-02

AUTHOR: Ray Goult

CLAUSE: Annex C

CLASSIFICATION: Minor Technical

Following the amendments contained in part 42 TC and part 43 TC a composite_curve_segment and surface_patch are now defined as subtypes of founded_item, this should be shown in the figures.

note: It may also be necessary to reference founded_item in clause 4 USE FROM statements.

4. EDITORIAL COMMENTS

ISSUE NUMBER UK-507-03

AUTHOR: Ray Goult

CLAUSE: Foreword



ANSI

ISO/DIS 10303-507 – ISO/TC 184/SC 4

ISSUE NUMBER: USA-507DIS-1

AUTHOR: USA

CLAUSE: 4.2 page 10

CLASSIFICATION: Minor Editorial

DESCRIPTION: The informal propositions IP1-IP4 appear to be redundant based on the code of the function gbsf_check_curve in 4.3.2 (see EXAMPLE p 12 and sentence on pg 15 : The attribute self_intersect shall...)

PROPOSED SOLUTION:

RESOLUTION:

ISSUE NUMBER: USA-507DIS-2

AUTHOR: USA

CLAUSE: 4.3.2 page 16

CLASSIFICATION: Minor Editorial

DESCRIPTION: Comment after first ELSE statement is unclear

PROPOSED SOLUTION:

RESOLUTION:

ISSUE NUMBER: USA-507DIS-3

AUTHOR: USA

CLAUSE: Annex C

CLASSIFICATION: Minor Editorial

DESCRIPTION: Fig. C.2 length_measure should have line with open dot to indicate predefined type(real)

PROPOSED SOLUTION:

RESOLUTION:

ISSUE NUMBER: USA-507DIS-4

AUTHOR: USA

CLAUSE: Annex C

CLASSIFICATION: Minor Editorial

DESCRIPTION: Fig. C.6 parameter_value should have line with open dot to indicate predefined type(real)

PROPOSED SOLUTION:

RESOLUTION:

ISSUE NUMBER: USA-507DIS-5

AUTHOR: USA

CLAUSE: Annex C

CLASSIFICATION: Minor Editorial

DESCRIPTION: Fig. C.7 dimension_count should have line with open dot to indicate predefined type(real)

PROPOSED SOLUTION:

RESOLUTION:



ISSUE NUMBER: USA-507DIS-6
AUTHOR: USA
CLAUSE: Annex C
CLASSIFICATION: Minor Editorial
DESCRIPTION: Fig. C.9 positive-length-measure and length-measure should each have line with open dot to indicate predefined type(real)
PROPOSED SOLUTION: Fig. C.9 positive-length-measure and length-measure should each have line with open dot to indicate predefined type(real)
RESOLUTION:

ISSUE NUMBER: USA-507DIS-7
AUTHOR: USA
CLAUSE: Annex C
CLASSIFICATION: Minor Editorial
DESCRIPTION: Fig. C.10 length-measure should have line with open dot to indicate predefined type(real)
PROPOSED SOLUTION: Fig. C.10 length-measure should have line with open dot to indicate predefined type(real)
RESOLUTION:

ISSUE NUMBER: USA-507DIS-8
AUTHOR: USA
CLAUSE: Annex C
CLASSIFICATION: Minor Editorial
DESCRIPTION: Fig. C.11 length-measure should have line with open dot to indicate predefined type(real)
PROPOSED SOLUTION: Fig. C.11 length-measure should have line with open dot to indicate predefined type(real)
RESOLUTION:

ISSUE NUMBER: USA-507DIS-9
AUTHOR: USA
CLAUSE: Annex C
CLASSIFICATION: Minor Editorial
DESCRIPTION: Fig. C.13 sweep-curve attribute of sweep-surface intersects box; length-measure should have line with open dot to indicate predefined type(real)
PROPOSED SOLUTION: Fig. C.13 sweep-curve attribute of sweep-surface intersects box; length-measure should have line with open dot to indicate predefined type(real)
RESOLUTION:

ISSUE NUMBER: USA-507DIS-10
AUTHOR: USA
CLAUSE: Annex C
CLASSIFICATION: Minor Editorial
DESCRIPTION: Fig. C.15 parameter_value should have line with open dot to indicate predefined type(real)
PROPOSED SOLUTION: Fig. C.15 parameter_value should have line with open dot to indicate predefined type(real)
RESOLUTION:

